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SAFETY DATA SHEET

1. Identification of the mixture and of the company/undertaking		
1.1. Product identification		
Trade name		Deeply cleaning gel for hands Biofresh 50 ml.
Use		Hygienic disinfection for hands
Manufacturer		BIO FRESH LTD, Tri Mogili Locality # 42, BULGARIA
2. Hazards identification		
2.1 Label elements under Regulation 1272/2008 (CLP)		
Pictogram(s) GHS02		
Signal word		Danger
Hazard statement	H225	Highly flammable liquid and vapour
Precautionary statements	P210 P305+P351+P338 P370+P378 P403+P235	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire: Use CO ₂ , fire extinguishing powder, dispersed water jet, alcohol resistant foam to extinguish it. Keep in a well-ventilated place. Keep in a cool place
3. Composition of ingredients		
Multi-component mixture which contains the following hazardous ingredients:		
Name of the ingredient	Content % (w/w)	CAS № EC №
Denatured ethyl alcohol	> 60 - < 75	CAS № 64-17-5 EC № 200-578-6
4. First aid measures		

Inhalation	Remove victim to fresh air
Eye contact	Wash carefully with water for several minutes. Take off the contact lenses if present. Continue rinsing
Skin contact	Remove all contaminated clothes. Take a shower.
Ingestion	Wash out the mouth. In case of complaints, consult a doctor
5. Fire-fighting measures	
Proper	Use CO ₂ , fire extinguishing powder, dispersed water jet, alcohol resistant foam to extinguish.
Improper	No data available
6. Incidental release measures.	
6.1 Personal precautions and means Use protective clothing and safety goggles. Remove ignition sources.	
6.2 Environmental precautions Do not discharge the residual quantities of the preparation into drains but use for the purpose intended. Take measures for prevention of getting of the preparation into the ambient air, the soil as well as its release to the sewer system. In case of incidental discharge of big quantities, take measures for localization and restriction. In case of small spillage, dilute the product with sufficient quantity of water.	
6.3 Methods and materials for containment and cleaning. In case of spillage on land, soak up with absorbing inert material (sand, silica gel, sawdust)	
6.4 Reference to other sections See Sections 8 and 13	
7. Handling and storage	
7.1 Precautions for safe handling	
Handling the substance / the preparation	Take the needed measures for not exceeding the limit values for the working environment
General (professional hygiene)	Avoid inhalation of vapors. Avoid contact with skin and eyes. Do not eat, drink and smoke while handling the preparation. Keep out of the reach of children.
7.2 Conditions for safe storage, including any incompatibilities.	
Storage conditions	Keep in a well-ventilated place. Keep in a cool place, away from direct sunshine. Stable at temperature from 5 to 25 ⁰ C and normal storage conditions.
Incompatible substances / mixtures	No data available
7.3 Specific end uses(s): for hygienic disinfection of hands	
8. Exposure controls / personal protection	
8.1 Control parameters	

Limit value of professional exposure	Limit values for the air of the working environment under Ordinance No 13 of the Ministry of Health, State Gazette (SG), issue 8/2004)			
	Chemical agent	8h mg/m ³	15 min	Skin
	Ethanol	1000		

8.2 Exposure controls

Proper engineering control:	General exchange or local ventilation. Provide facilities for eye wash and a shower for emergency events when handling the product.
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Individual protection measures and personal protective equipment

Respiratory protection:	Not needed at normal use
Hand protection:	Protective gloves of polyvinylchloride, polypropylene
Eye / face protection:	Tightly fitting goggles
Skin protection:	Proper protective clothing
Hygienic measures:	Observation of good hygienic practice when handling the product, washing hands prior to resting and eating.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Gel mass with included air bubbles
Odor	Characteristic
Color	According to standard
Melting point	No data available
Flash point	No data available
Autoflammability point	No data available
Self-ignition point	No data available
Flammability (solid substance, gas)	Water solution
Solubility	Soluble in water
Relative density	0,8724
Explosive properties	Not explosive

9.2 Other information: No data available

10. Stability and reactivity

10.1 Reactivity: No data available

10.2 Chemical stability: Stable under normal use and storage conditions

10.4 Conditions to avoid: high temperature, direct sunshine

10.5 <i>Incompatible materials</i> : No data available <i>Materials to avoid</i> : No data available	
10.6 <i>Hazardous decomposition products</i> : Not expected at observation of the use instructions.	
10.1 <i>Reactivity</i> : No data available	
11. Information on toxicological effects	
Acute toxicity	LD50 oral > 2000mg/kg/calculated for the end product
Corrosion / skin irritation	The product does not cause skin irritation
Serious eye damage / irritation:	It does not cause serious eye damage or irritation
Sensibilization:	The product does not contain allergenic ingredients above limit causing allergenic reactions
Cancerogenicity:	The product does not contain ingredients classified as cancerogenic
Mutagenicity:	The product does not contain ingredients classified as mutagenic
Reproductive toxicity	The product does not contain ingredients toxic for reproduction
12. Ecological information	
12.1 Toxicity: The product is not tested. The data are about the active substance Ethyl Alcohol	
Ethyl alcohol	Fish toxicity LC ₅₀ > 1000mg/l (96h)
	Daphnia and other invertebrate animals toxicity EC ₅₀ > 10000mg/l (48h)
	Algae toxicity EC ₅₀ - 275mg/l (72h)
	Biodegradability – easily biodegradable
Other	No data available
12.2 Persistence and degradability	
Biodegradability	No data available
Oxidation	Fast oxidation
12.3 <i>Bioaccumulative potential</i>	
Bioconcentration factors	No data available about the preparation, not expected
Octanol – water distribution coefficient	No data available
12.4 <i>Mobility in soil</i>	
Absorption coefficient	No data available about mobility in soil and sediment

12.5 Results of PBT and vPvB assessment - No data available	
13. Disposal considerations	
13.1 Waste treatment methods	Ordinance No 2 /23.07.2014 on waste classification Wastes from the concentrated preparation as residual quantities are collected in containers designated for the purpose and handed over to persons holding a license in accordance with the procedure established by Art. 37 of the Waste Management Act
13.2 Disposal of packaging / containers	15 01 02 Plastic packaging
Waste treatment	In conformity with the effective legislation
14. Transport information	
14.1 <i>UN number</i> ADR, IMDG, IATA	UN 1170
14.2 <i>UN proper shipping name</i>	ADR ETHANOL (ETHYL ALCOHOL) IMDG ETHANOL (ETHYL ALCOHOL) IATA ETHANOL
14.3 <i>Transport hazard class(es)</i> Transport label ADR, IMDG, IATA	 <i>Class 3(F1) Flammable liquids</i> <i>Label 3</i>
14.4 <i>Packing group</i>	II
14.5 <i>Ecological hazard</i>	The product is not hazardous for the environment
14.6 <i>Special precautions for users</i>	Not to be transported jointly with foods for people and animals
14.7. <i>Transportation in bulk</i>	Inapplicable
15. Regulatory information	
15.1 Specific for the substance or the mixture legislation on safety, health and environment Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency Regulation (EU) No 453/3010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. European Directive 76/769/EEC relating to restrictions on the marketing and use of certain dangerous substances and preparations Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work . Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .	

Council Directive 89/656/EEC on the minimum health and safety requirements for the use by workers of personal protective equipment at the workplace

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste

European Directive 91/689/CEE on hazardous waste.

European Directive 94/62/CE on packaging and waste

European Directive 1999/31/CE on the landfill of waste.

National legislation: Law of protection from the harmful impact of the chemical substances and mixtures (promulgated, SG, issue 10 of 2000); Environmental Protection Act (promulgated, SG, issue 91 of 25.09.2002); Healthy and Safe Working conditions Act – (promulgated, SG, issue 24 of 23 December 1997); Waste Management Act (promulgated, SG, issue 53 of 13.07.2012); Ordinance No 2 of 23.07.2014 on waste classification (promulgated, SG, issue 66 of 8.08.2014); Ordinance No 13 of 30 December 2003 on protection of workers from risks related to exposure at chemical agents at work (promulgated, SG, issue 8 of 30 January 2004)

15.2 Chemical safety assessment: No chemical safety assessment was made for this product and the substances contained in it

16. Other information

The data available in the Safety Data Sheet correspond to the level of modern knowledge as of the date of development. As the use of the information and the conditions of use are beyond the control of the manufacturer, the user of the commercial product shall bear responsibility for the conditions of its safe application.

Meaning of hazard statements from item 3:

The indicated phrases do not refer to the product itself but serve for information only and refer to the individual ingredients included in Section 3.

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness